

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT							
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER LC Tribal 16-24D-47							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134							
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Uintah and Ouray			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		397 FSL 1492 FEL		SWSE		24		4.0 S		7.0 W		U	
Top of Uppermost Producing Zone		810 FSL 810 FEL		SESE		24		4.0 S		7.0 W		U	
At Total Depth		810 FSL 810 FEL		SESE		24		4.0 S		7.0 W		U	
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 810			23. NUMBER OF ACRES IN DRILLING UNIT 640							
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2822			26. PROPOSED DEPTH MD: 6455 TVD: 6333							
27. ELEVATION - GROUND LEVEL 6360			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-180							
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
COND	26	16	0 - 80	65.0	Unknown	8.8	No Used		0	0.0	0.0		
SURF	12.25	9.625	0 - 800	36.0	J-55 ST&C	8.8	Halliburton Light , Type Unknown		70	3.16	11.0		
							Halliburton Premium , Type Unknown		210	1.36	14.8		
PROD	8.75	9.625	0 - 6455	17.0	P-110 LT&C	9.6	Unknown		610	2.31	11.0		
							Unknown		680	1.42	13.5		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Venessa Langmacher				TITLE Senior Permit Analyst				PHONE 303 312-8172					
SIGNATURE				DATE 04/04/2013				EMAIL vlangmacher@billbarrettcorp.com					
API NUMBER ASSIGNED 43013521230000				APPROVAL Permit Manager									

BILL BARRETT CORPORATION
DRILLING PLAN

LC Tribal 16-24D-47

SW SE, 397' FSL and 1492' FEL, Section 24, T4S-R7W, USB&M (surface hole)

SE SE, 810' FSL and 810' FEL, Section 24, T4S-R7W, USB&M (bottom hole)

Duchesne County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Green River	893'	893'
Mahogany	1,556'	1,543'
Lower Green River*	2,792'	2,693'
Douglas Creek	3,628'	3,508'
Black Shale	4,459'	4,338'
Castle Peak	4,699'	4,578'
Uteland Butte	4,989'	4,868'
Wasatch*	5,219'	5,098'
TD	6,455'	6,333'

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 800'	NU Diverter or Rotating Head
800' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u> <u>(FROM) (TO)</u>		<u>Casing</u> <u>Size</u>	<u>Casing</u> <u>Weight</u>	<u>Casing</u> <u>Grade</u>	<u>Thread</u>	<u>Condition</u>
26"	Surface	80'	16"	65#			
12 1/4"	Surface	800'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation
Drilling Program
LC Tribal 16-24D-47
Duchesne County, Utah

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing	Lead: 70 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 300'
5 1/2" Production Casing	Lead: 610 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 300' Tail: 680 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 3,959'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 80'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
80' – 800'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
800' – TD	8.6 – 9.6	42-52	20 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 3161 psi* and maximum anticipated surface pressure equals approximately 1768 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
LC Tribal 16-24D-47
Duchesne County, Utah

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W water right number 43-180.

11. Drilling Schedule

Location Construction:	November 2013
Spud:	November 2013
Duration:	15 days drilling time
	6 days completion time



Bill Barrett Corporation

LAKE CANYON & BLACK TAIL RIDGE CEMENT VOLUMES

Well Name: LC Tribal 16-24D-47

Surface Hole Data:

Total Depth:	800'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	164.4	ft ³
Lead Fill:	300'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	70
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Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	300'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	6,455'
Top of Cement:	300'
Top of Tail:	3,959'
OD of Hole:	8.750"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1386.4	ft ³
Lead Fill:	3,659'	
Tail Volume:	945.8	ft ³
Tail Fill:	2,496'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	610
# SK's Tail:	680

LC Tribal 16-24D-47 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>		
Lead Cement - (300' - 0')			
Halliburton Light Premium	Fluid Weight:	11.0	lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield:	3.16	ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid:	19.48	Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid:	0'	
2.0% Bentonite	Calculated Fill:	300'	
	Volume:	29.28	bbl
	Proposed Sacks:	70	sks
Tail Cement - (TD - 300')			
Premium Cement	Fluid Weight:	14.8	lbm/gal
2.0% Calcium Chloride	Slurry Yield:	1.36	ft ³ /sk
	Total Mixing Fluid:	6.37	Gal/sk
	Top of Fluid:	300'	
	Calculated Fill:	500'	
	Volume:	48.80	bbl
	Proposed Sacks:	210	sks

<u>Job Recommendation</u>	<u>Production Casing</u>		
Lead Cement - (3959' - 300')			
Tuned Light TM System	Fluid Weight:	11.0	lbm/gal
	Slurry Yield:	2.31	ft ³ /sk
	Total Mixing Fluid:	10.65	Gal/sk
	Top of Fluid:	300'	
	Calculated Fill:	3,659'	
	Volume:	246.90	bbl
	Proposed Sacks:	610	sks
Tail Cement - (6455' - 3959')			
Econocem TM System	Fluid Weight:	13.5	lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield:	1.42	ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid:	6.61	Gal/sk
	Top of Fluid:	3,959'	
	Calculated Fill:	2,496'	
	Volume:	168.44	bbl
	Proposed Sacks:	680	sks

T4S, R7W, U.S.B.&M.**R
7
W****R
6
W***S89°58'07"E - 5230.01' (Meas.)*

Set Marked Stone

Set Marked Stone

*S00°08'33"W - 2665.31' (Meas.)**S00°07'08"W - 2578.47' (Meas.)*

Set Marked Stone

24

Set Stone

LC FEE #16-24D-47
Elev. Ungraded Ground = 6360'**Target
Bottom
Hole**

L1

397'

810'

1492'

810'

*S89°52'20"E - 5228.58' (Meas.)***LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N58°56'44"E	796.87'

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°06'48.43" (40.113453)		LATITUDE = 40°06'44.35" (40.112319)	
LONGITUDE = 110°37'03.76" (110.617711)		LONGITUDE = 110°37'12.53" (110.620147)	
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'48.58" (40.113494)		LATITUDE = 40°06'44.50" (40.112361)	
LONGITUDE = 110°37'01.20" (110.617000)		LONGITUDE = 110°37'09.97" (110.619436)	

BILL BARRETT CORPORATION

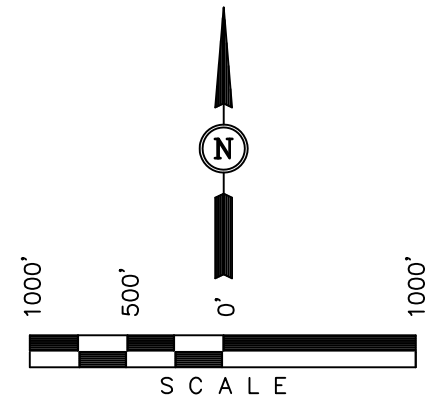
Well location, LC FEE #16-24D-47, located as shown in the SW 1/4 SE 1/4 of Section 24, T4S, R7W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

ROBERT L. KAY

REV.: 09-19-12 C.A.G.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

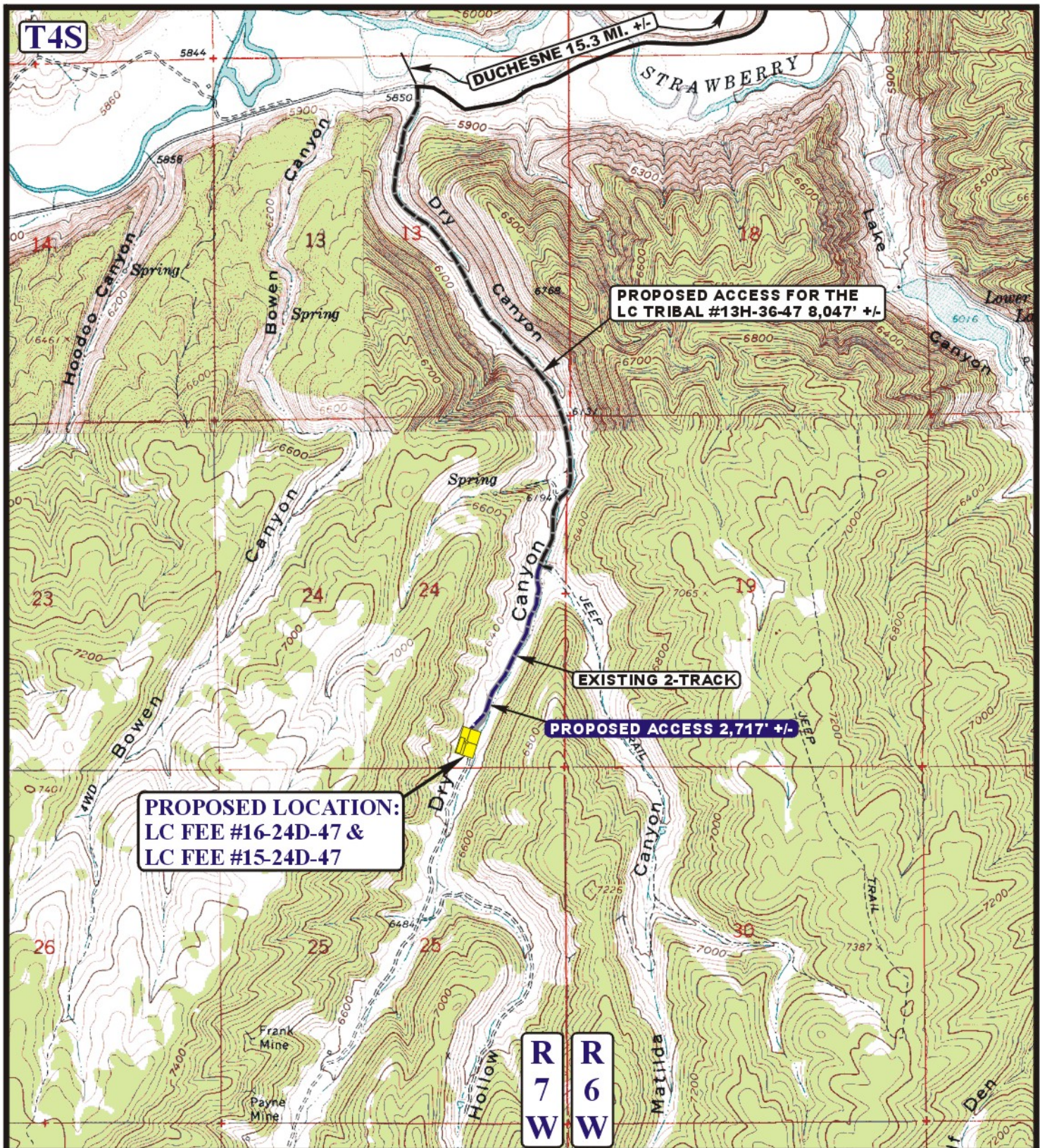
SCALE 1" = 1000'	DATE SURVEYED: 09-08-11	DATE DRAWN: 09-22-11
PARTY C.A. K.H. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE BILL BARRETT CORPORATION	

RECEIVED: April 04, 2013



A
TOPC

REVISÉ: 12-14-11



LEGEND:

----- PROPOSED ACCESS ROAD
 ————— EXISTING 2-TRACK NEEDS UPGRADED

BILL BARRETT CORPORATION

LC FEE #16-24D-47 & LC FEE #15-24D-47
SECTION 24, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

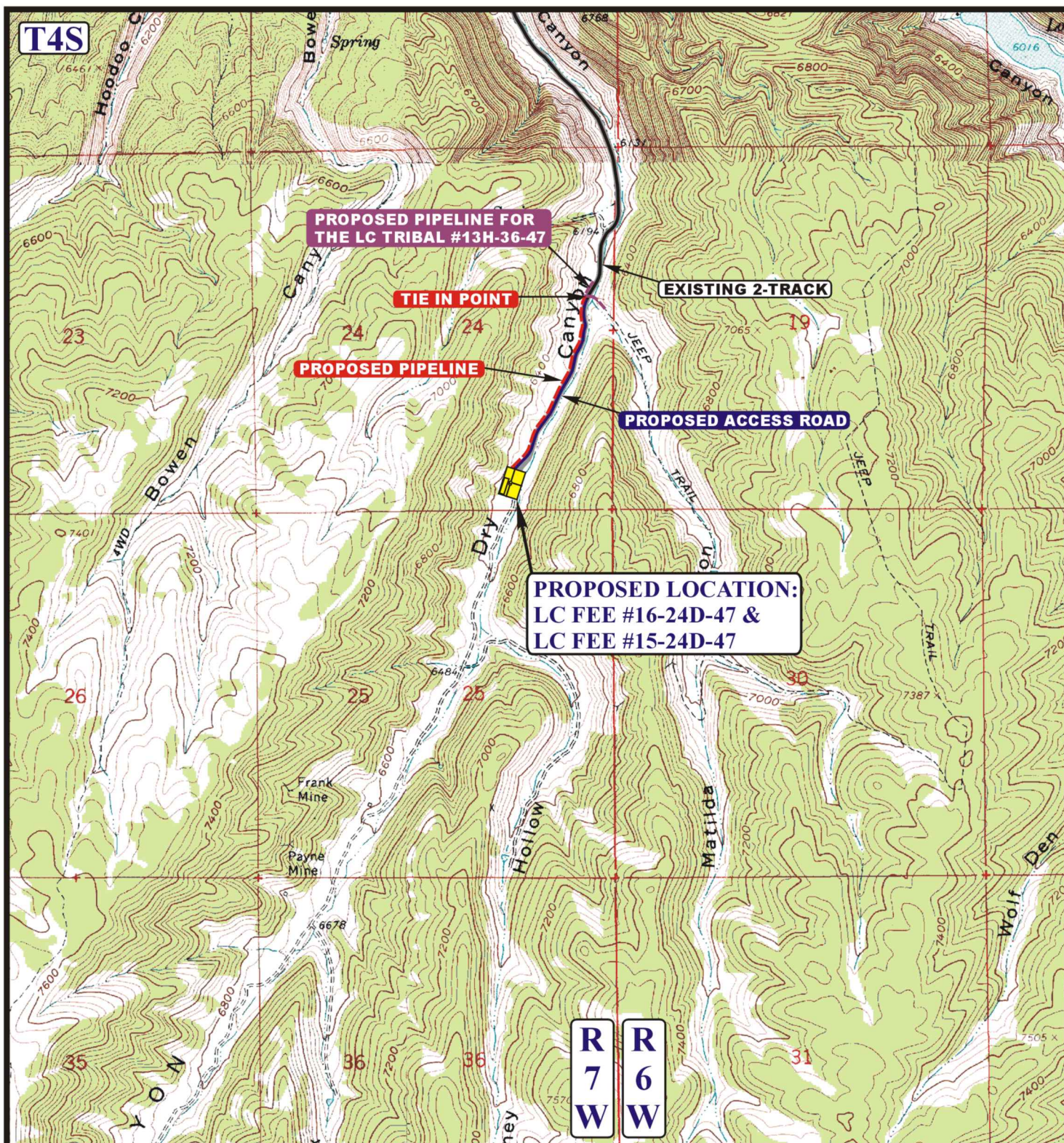


ACCESS ROAD
M A P

09 13 11
 MONTH DAY YEAR

B
TOPO

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 12-14-11



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,748' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - - PROPOSED PIPELINE
- - - - - EXISTING 2-TRACK NEEDS UPGRADED
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



BILL BARRETT CORPORATION

**LC FEE #16-24D-47 & LC FEE #15-24D-47
SECTION 24, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4**



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

09 13 11
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.I.

REVISED: 02-20-13



BILL BARRETT CORP

DUCHESNE COUNTY, UT (NAD 27)

16-24D-47 LC Fee

16-24D-47 LC Fee

Wellbore #1

Plan: Design #1

Standard Planning Report

02 April, 2013



Bill Barrett Corporation

SITE DETAILS: 16-24D-47 LC Fee
Lake CanyonSite Latitude: 40° 6' 44.500 N
Site Longitude: 110° 37' 9.970 W**COMPANY DETAILS: BILL BARRETT CORP**

Calculation Method: Minimum Curvature
 Error System: ISCWSA
 Scan Method: Closest Approach 3D
 Error Surface: Elliptical Conic
 Warning Method: Error Ratio

Positional Uncertainty: 0.0
 Convergence: 0.56
 Local North: True

WELL DETAILS: 16-24D-47 LC Fee

Ground Level: 6358.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	649184.95	2246277.10	40° 6' 44.500 N	110° 37' 9.970 W	

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
16-24D-47 LC Fee 3PT MKR	3913.0	412.7	681.3	40° 6' 48.578 N	110° 37' 1.200 W	Rectangle (Sides: L200.0 W200.0)
16-24D-47 LC Fee PBHL	6333.0	412.7	681.3	40° 6' 48.578 N	110° 37' 1.200 W	Rectangle (Sides: L200.0 W200.0)

SECTION DETAILS

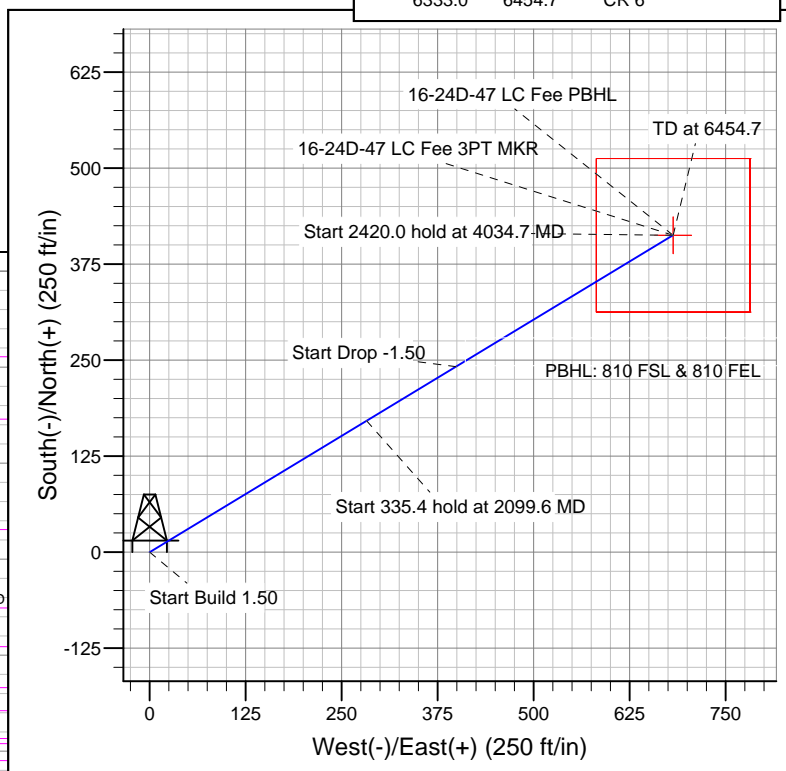
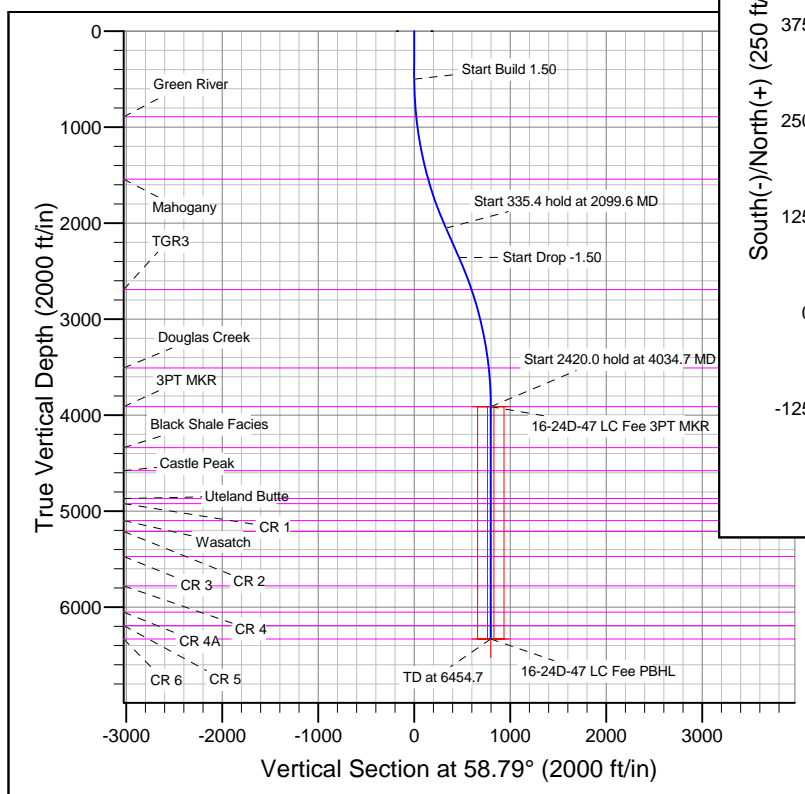
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	2099.6	23.99	58.79	2053.3	171.0	282.3	1.50	58.79	330.1	
4	2435.0	23.99	58.79	2359.7	241.7	399.0	0.00	0.00	466.5	
5	4034.7	0.00	0.00	3913.0	412.7	681.3	1.50	180.00	796.6	16-24D-47 LC Fee 3PT MKR
6	6454.7	0.00	0.00	6333.0	412.7	681.3	0.00	0.00	796.6	16-24D-47 LC Fee PBHL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
893.0	893.7	Green River
1543.0	1556.4	Mahogany
2693.0	2792.9	TGR3
3508.0	3628.9	Douglas Creek
3913.0	4034.7	3PT MKR
4338.0	4459.7	Black Shale Facies
4578.0	4699.7	Castle Peak
4868.0	4989.7	Uteland Butte
4923.0	5044.7	CR 1
5098.0	5219.7	Wasatch
5213.0	5334.7	CR 2
5473.0	5594.7	CR 3
5778.0	5899.7	CR 4
6053.0	6174.7	CR 4A
6193.0	6314.7	CR 5
6333.0	6454.7	CR 6

CASING DETAILS

No casing data is available



Azimuths to True North
 Magnetic North: 11.32°

Magnetic Field
 Strength: 52043.1nT
 Dip Angle: 65.70°
 Date: 4/2/2013
 Model: IGRF2010

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-24D-47 LC Fee
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6373.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6373.0ft (Original Well Elev)
Site:	16-24D-47 LC Fee	North Reference:	True
Well:	16-24D-47 LC Fee	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	DUCHESNE COUNTY, UT (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Ground Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	16-24D-47 LC Fee			
Site Position:		Northing:	649,184.95 ft	Latitude: 40° 6' 44.500 N
From:	Lat/Long	Easting:	2,246,277.10 ft	Longitude: 110° 37' 9.970 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.56 °

Well	16-24D-47 LC Fee			
Well Position	+N/-S	0.0 ft	Northing:	649,184.95 ft
	+E/-W	0.0 ft	Easting:	2,246,277.10 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft
			Ground Level:	6,358.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/2/2013	11.32	65.70	52,043

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	58.79

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,099.6	23.99	58.79	2,053.3	171.0	282.3	1.50	1.50	0.00	58.79	
2,435.0	23.99	58.79	2,359.7	241.7	399.0	0.00	0.00	0.00	0.00	
4,034.7	0.00	0.00	3,913.0	412.7	681.3	1.50	-1.50	0.00	180.00	16-24D-47 LC Fee 3F
6,454.7	0.00	0.00	6,333.0	412.7	681.3	0.00	0.00	0.00	0.00	16-24D-47 LC Fee PE

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-24D-47 LC Fee
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6373.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6373.0ft (Original Well Elev)
Site:	16-24D-47 LC Fee	North Reference:	True
Well:	16-24D-47 LC Fee	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
600.0	1.50	58.79	600.0	0.7	1.1	1.3	1.50	1.50	0.00
700.0	3.00	58.79	699.9	2.7	4.5	5.2	1.50	1.50	0.00
800.0	4.50	58.79	799.7	6.1	10.1	11.8	1.50	1.50	0.00
893.7	5.91	58.79	893.0	10.5	17.3	20.3	1.50	1.50	0.00
Green River									
900.0	6.00	58.79	899.3	10.8	17.9	20.9	1.50	1.50	0.00
1,000.0	7.50	58.79	998.6	16.9	27.9	32.7	1.50	1.50	0.00
1,100.0	9.00	58.79	1,097.5	24.4	40.2	47.0	1.50	1.50	0.00
1,200.0	10.50	58.79	1,196.1	33.1	54.7	64.0	1.50	1.50	0.00
1,300.0	12.00	58.79	1,294.2	43.2	71.4	83.5	1.50	1.50	0.00
1,400.0	13.50	58.79	1,391.7	54.7	90.3	105.5	1.50	1.50	0.00
1,500.0	15.00	58.79	1,488.6	67.4	111.3	130.2	1.50	1.50	0.00
1,556.4	15.85	58.79	1,543.0	75.2	124.2	145.2	1.50	1.50	0.00
Mahogany									
1,600.0	16.50	58.79	1,584.9	81.5	134.5	157.3	1.50	1.50	0.00
1,700.0	18.00	58.79	1,680.4	96.9	159.9	186.9	1.50	1.50	0.00
1,800.0	19.50	58.79	1,775.0	113.5	187.4	219.1	1.50	1.50	0.00
1,900.0	21.00	58.79	1,868.9	131.4	217.0	253.7	1.50	1.50	0.00
2,000.0	22.50	58.79	1,961.7	150.6	248.7	290.8	1.50	1.50	0.00
2,099.6	23.99	58.79	2,053.3	171.0	282.3	330.1	1.50	1.50	0.00
Start 335.4 hold at 2099.6 MD									
2,100.0	23.99	58.79	2,053.6	171.1	282.4	330.2	0.00	0.00	0.00
2,200.0	23.99	58.79	2,145.0	192.2	317.2	370.9	0.00	0.00	0.00
2,300.0	23.99	58.79	2,236.3	213.2	352.0	411.6	0.00	0.00	0.00
2,400.0	23.99	58.79	2,327.7	234.3	386.8	452.2	0.00	0.00	0.00
2,435.0	23.99	58.79	2,359.7	241.7	399.0	466.5	0.00	0.00	0.00
Start Drop -1.50									
2,500.0	23.02	58.79	2,419.3	255.1	421.1	492.4	1.50	-1.50	0.00
2,600.0	21.52	58.79	2,511.8	274.7	453.6	530.3	1.50	-1.50	0.00
2,700.0	20.02	58.79	2,605.3	293.1	483.9	565.7	1.50	-1.50	0.00
2,792.9	18.63	58.79	2,693.0	309.1	510.2	596.5	1.50	-1.50	0.00
TGR3									
2,800.0	18.52	58.79	2,699.7	310.2	512.1	598.7	1.50	-1.50	0.00
2,900.0	17.02	58.79	2,794.9	326.0	538.2	629.3	1.50	-1.50	0.00
3,000.0	15.52	58.79	2,890.9	340.5	562.2	657.3	1.50	-1.50	0.00
3,100.0	14.02	58.79	2,987.6	353.8	584.0	682.8	1.50	-1.50	0.00
3,200.0	12.52	58.79	3,084.9	365.7	603.6	705.7	1.50	-1.50	0.00
3,300.0	11.02	58.79	3,182.8	376.2	621.1	726.1	1.50	-1.50	0.00
3,400.0	9.52	58.79	3,281.2	385.5	636.3	744.0	1.50	-1.50	0.00
3,500.0	8.02	58.79	3,380.1	393.4	649.3	759.2	1.50	-1.50	0.00
3,600.0	6.52	58.79	3,479.3	399.9	660.2	771.9	1.50	-1.50	0.00
3,628.9	6.09	58.79	3,508.0	401.6	662.9	775.0	1.50	-1.50	0.00
Douglas Creek									
3,700.0	5.02	58.79	3,578.7	405.1	668.8	781.9	1.50	-1.50	0.00
3,800.0	3.52	58.79	3,678.5	409.0	675.1	789.4	1.50	-1.50	0.00
3,900.0	2.02	58.79	3,778.3	411.5	679.3	794.2	1.50	-1.50	0.00

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-24D-47 LC Fee
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6373.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6373.0ft (Original Well Elev)
Site:	16-24D-47 LC Fee	North Reference:	True
Well:	16-24D-47 LC Fee	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,000.0	0.52	58.79	3,878.3	412.6	681.2	796.4	1.50	-1.50	0.00
4,034.7	0.00	0.00	3,913.0	412.7	681.3	796.6	1.50	-1.50	0.00
Start 2420.0 hold at 4034.7 MD - 3PT MKR									
4,100.0	0.00	0.00	3,978.3	412.7	681.3	796.6	0.00	0.00	0.00
4,200.0	0.00	0.00	4,078.3	412.7	681.3	796.6	0.00	0.00	0.00
4,300.0	0.00	0.00	4,178.3	412.7	681.3	796.6	0.00	0.00	0.00
4,400.0	0.00	0.00	4,278.3	412.7	681.3	796.6	0.00	0.00	0.00
4,459.7	0.00	0.00	4,338.0	412.7	681.3	796.6	0.00	0.00	0.00
Black Shale Facies									
4,500.0	0.00	0.00	4,378.3	412.7	681.3	796.6	0.00	0.00	0.00
4,600.0	0.00	0.00	4,478.3	412.7	681.3	796.6	0.00	0.00	0.00
4,699.7	0.00	0.00	4,578.0	412.7	681.3	796.6	0.00	0.00	0.00
Castle Peak									
4,700.0	0.00	0.00	4,578.3	412.7	681.3	796.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,678.3	412.7	681.3	796.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,778.3	412.7	681.3	796.6	0.00	0.00	0.00
4,989.7	0.00	0.00	4,868.0	412.7	681.3	796.6	0.00	0.00	0.00
Uteland Butte									
5,000.0	0.00	0.00	4,878.3	412.7	681.3	796.6	0.00	0.00	0.00
5,044.7	0.00	0.00	4,923.0	412.7	681.3	796.6	0.00	0.00	0.00
CR 1									
5,100.0	0.00	0.00	4,978.3	412.7	681.3	796.6	0.00	0.00	0.00
5,200.0	0.00	0.00	5,078.3	412.7	681.3	796.6	0.00	0.00	0.00
5,219.7	0.00	0.00	5,098.0	412.7	681.3	796.6	0.00	0.00	0.00
Wasatch									
5,300.0	0.00	0.00	5,178.3	412.7	681.3	796.6	0.00	0.00	0.00
5,334.7	0.00	0.00	5,213.0	412.7	681.3	796.6	0.00	0.00	0.00
CR 2									
5,400.0	0.00	0.00	5,278.3	412.7	681.3	796.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,378.3	412.7	681.3	796.6	0.00	0.00	0.00
5,594.7	0.00	0.00	5,473.0	412.7	681.3	796.6	0.00	0.00	0.00
CR 3									
5,600.0	0.00	0.00	5,478.3	412.7	681.3	796.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,578.3	412.7	681.3	796.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,678.3	412.7	681.3	796.6	0.00	0.00	0.00
5,899.7	0.00	0.00	5,778.0	412.7	681.3	796.6	0.00	0.00	0.00
CR 4									
5,900.0	0.00	0.00	5,778.3	412.7	681.3	796.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,878.3	412.7	681.3	796.6	0.00	0.00	0.00
6,100.0	0.00	0.00	5,978.3	412.7	681.3	796.6	0.00	0.00	0.00
6,174.7	0.00	0.00	6,053.0	412.7	681.3	796.6	0.00	0.00	0.00
CR 4A									
6,200.0	0.00	0.00	6,078.3	412.7	681.3	796.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,178.3	412.7	681.3	796.6	0.00	0.00	0.00
6,314.7	0.00	0.00	6,193.0	412.7	681.3	796.6	0.00	0.00	0.00
CR 5									
6,400.0	0.00	0.00	6,278.3	412.7	681.3	796.6	0.00	0.00	0.00
6,454.7	0.00	0.00	6,333.0	412.7	681.3	796.6	0.00	0.00	0.00
TD at 6454.7 - CR 6									

Bill Barrett Corp

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well 16-24D-47 LC Fee
Company:	BILL BARRETT CORP	TVD Reference:	KB @ 6373.0ft (Original Well Elev)
Project:	DUCHESNE COUNTY, UT (NAD 27)	MD Reference:	KB @ 6373.0ft (Original Well Elev)
Site:	16-24D-47 LC Fee	North Reference:	True
Well:	16-24D-47 LC Fee	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

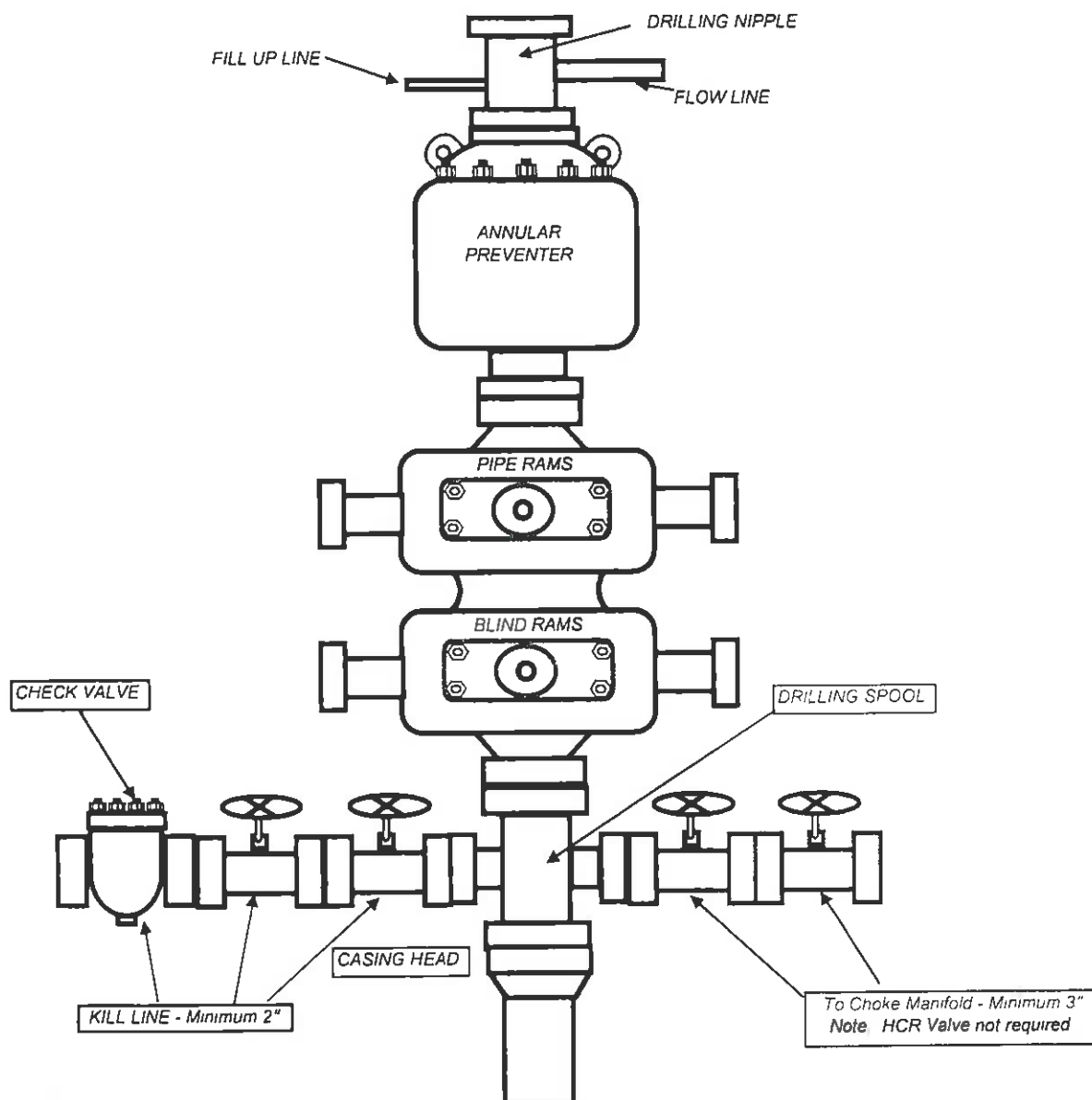
Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
16-24D-47 LC Fee PBHI - plan hits target - Rectangle (sides W200.0 H200.0 D0.0)	0.00	0.00	6,333.0	412.7	681.3	649,604.35	2,246,954.31	40° 6' 48.578 N	110° 37' 1.200 W
16-24D-47 LC Fee 3PT I - plan hits target - Rectangle (sides W200.0 H200.0 D2,420.0)	0.00	0.00	3,913.0	412.7	681.3	649,604.35	2,246,954.31	40° 6' 48.578 N	110° 37' 1.200 W

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
893.7	893.0	Green River		0.00	
1,556.4	1,543.0	Mahogany		0.00	
2,792.9	2,693.0	TGR3		0.00	
3,628.9	3,508.0	Douglas Creek		0.00	
4,034.7	3,913.0	3PT MKR		0.00	
4,459.7	4,338.0	Black Shale Facies		0.00	
4,699.7	4,578.0	Castle Peak		0.00	
4,989.7	4,868.0	Uteland Butte		0.00	
5,044.7	4,923.0	CR 1		0.00	
5,219.7	5,098.0	Wasatch		0.00	
5,334.7	5,213.0	CR 2		0.00	
5,594.7	5,473.0	CR 3		0.00	
5,899.7	5,778.0	CR 4		0.00	
6,174.7	6,053.0	CR 4A		0.00	
6,314.7	6,193.0	CR 5		0.00	
6,454.7	6,333.0	CR 6		0.00	

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.0	500.0	0.0	0.0	Start Build 1.50
2,099.6	2,053.3	171.0	282.3	Start 335.4 hold at 2099.6 MD
2,435.0	2,359.7	241.7	399.0	Start Drop -1.50
4,034.7	3,913.0	412.7	681.3	Start 2420.0 hold at 4034.7 MD
6,454.7	6,333.0	412.7	681.3	TD at 6454.7

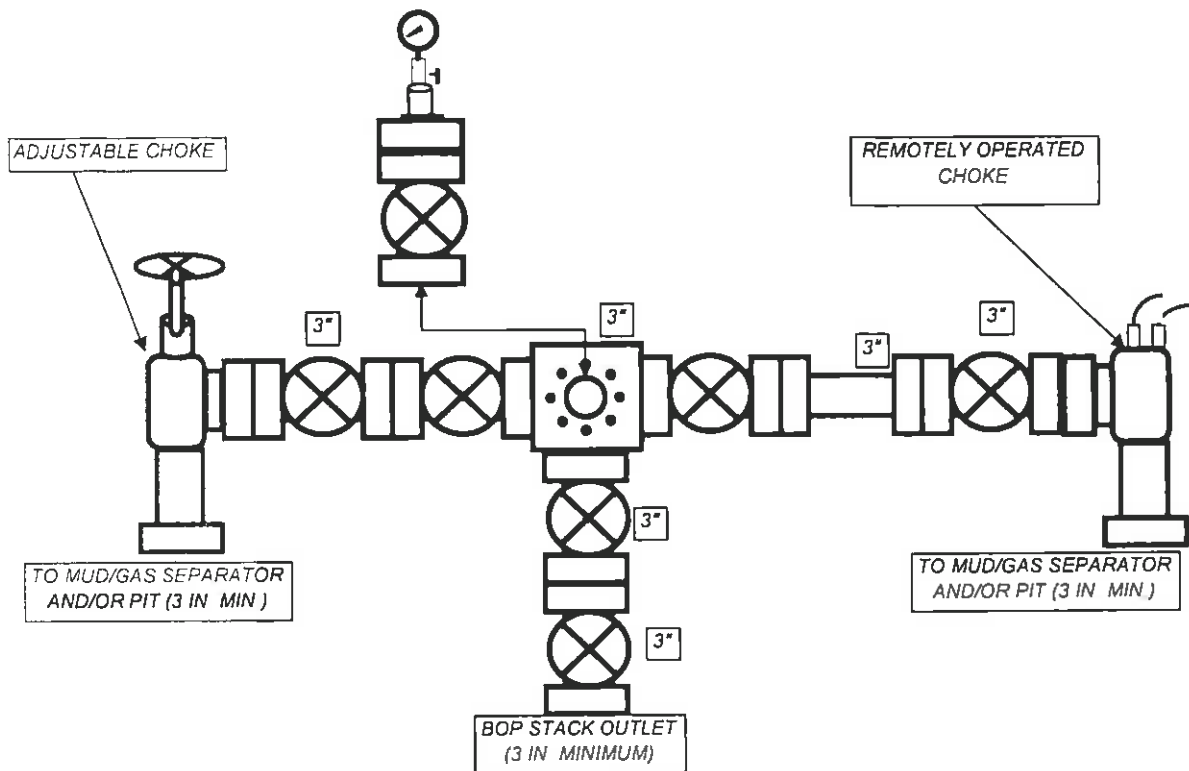
BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





October 23, 2013

Ms. Diana Mason – Petroleum Technician
STATE OF UTAH DIVISION OF OIL, GAS AND MINING
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: **Exception Location –LC Fee #16-24D-47 – Lake Canyon Area**
Surface Location: 397' FSL & 1,492' FEL, SWSE, 24-T4S-R7W, USB&M
Bottom Location: 810' FSL & 810' FEL, SESE, 24-T4S-R7W, USB&M
Duchesne County, Utah

Dear Ms. Mason,

Bill Barrett Corporation ("BBC") hereby submits an exception location letter in accordance with Oil & Gas Conservation Order #139-87, requesting an exception well location, supported by the following information:

- The location is within our Lake Canyon Area.
- BBC is requesting an exception to Spacing Order #139-87 by drilling multiple well bores from a single well pad where the horizontal wellbore will strictly produce hydrocarbons from the Uteland Butte formation and the other vertical wellbore will produce from formations excluding the Uteland Butte. This well configuration results in the wellbores being closer than the 1,320 feet allowed by spacing order.
- This will allow for a more efficient drainage of the reservoir formation being targeted.
- The exception location is due to topography requirements and to minimize surface disturbance.
- BBC certifies that it is the working interest owner along with Crescent Point Energy U.S. Corp., and Berry Petroleum Company (who also consent to this exception location request), and together we own 100% of the working interest within 460 feet of the proposed well location.
- Our rights are owned under an Exploration and Development Agreement with the Ute Indian Tribe and Ute Distribution Corporation which provides for the drilling of exploratory wells. This agreement provides that we consult with these owners regarding the drilling of this well.

Based on the information provided, BBC requests the Division grant this exception to the locating, siting and spacing requirements of Order #139-87. Should you have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

Venessa Langmacher
Senior Permit Analyst

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

RECEIVED: October 23, 2013

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

LC FEE #16-24D-47 & LC FEE #15-24D-47
SECTION 24, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4

FIGURE #1

SCALE: 1" = 60'

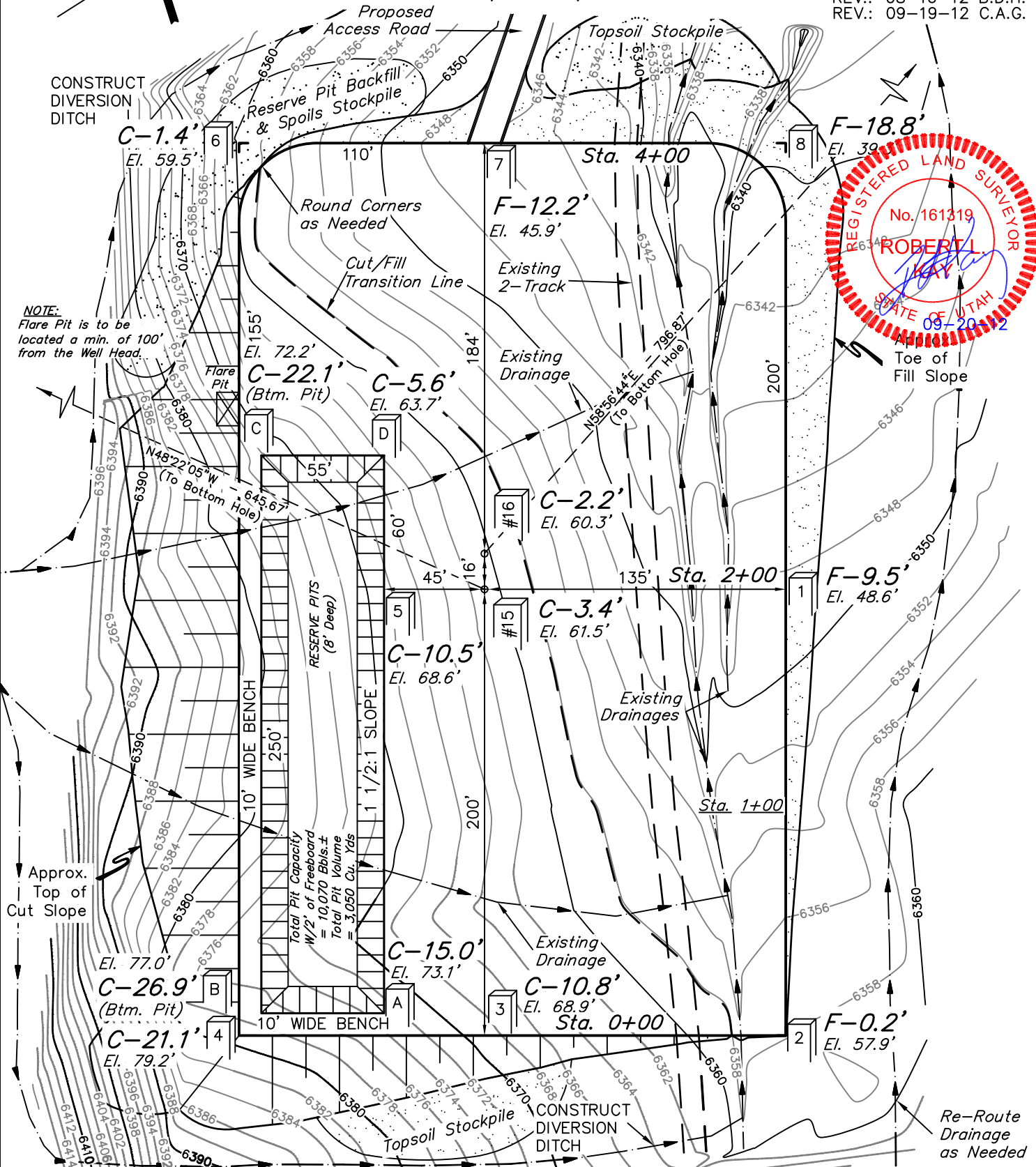
DATE: 09-22-11

DRAWN BY: J.I.

REV.: 12-14-11

REV.: 08-16-12 B.D.H.

REV.: 09-19-12 C.A.G.



Elev. Ungraded Ground At #15-24D-47 Loc. Stake = 6360.9' **UINTAH ENGINEERING & LAND SURVEYING**
FINISHED GRADE ELEV. AT #15-24D-47 LOC. STAKE = 6358.1' 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: April 04, 2013

BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

LC FEE #16-24D-47 & LC FEE #15-24D-47

SECTION 24, T4S, R7W, U.S.B.&M.

SW 1/4 SE 1/4

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

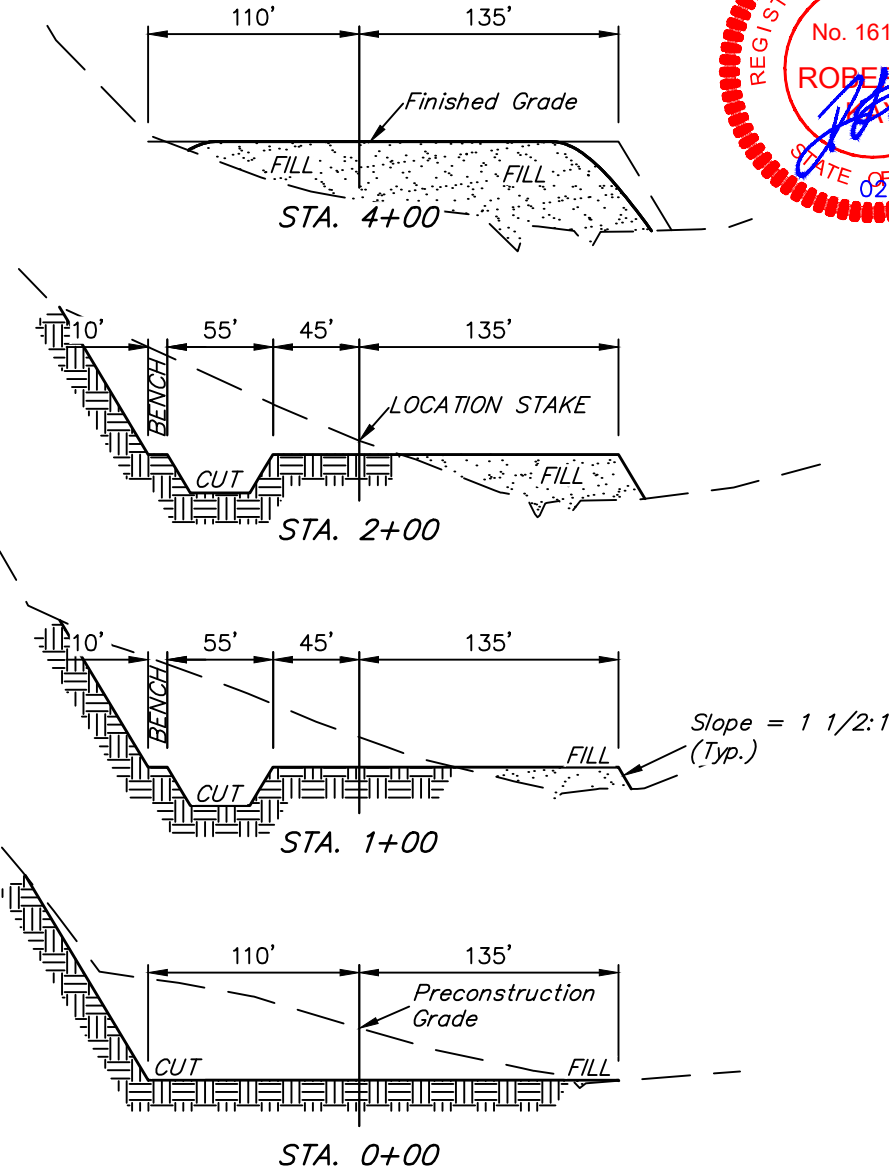
DATE: 09-22-11

DRAWN BY: J.I.

REV.: 12-14-11

REV.: 08-16-12 B.D.H.

REV.: 02-18-13 R.L.L.

**NOTE:**

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.478 ACRES
ACCESS ROAD DISTURBANCE = ± 1.798 ACRES
PIPELINE DISTURBANCE = ± 1.825 ACRES
TOTAL = ± 8.101 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping = 4,850 Cu. Yds.
Remaining Location = 23,120 Cu. Yds.
TOTAL CUT = 27,970 CU. YDS.
FILL = 21,600 CU. YDS.

EXCESS MATERIAL = 6,370 Cu. Yds.
Topsoil & Pit Backfill = 6,370 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: April 04, 2013

BILL BARRETT CORPORATION**TYPICAL RIG LAYOUT FOR**

LC FEE #16-24D-47 & LC FEE #15-24D-47
SECTION 24, T4S, R7W, U.S.B.&M.
SW 1/4 SE 1/4

FIGURE #3

SCALE: 1" = 60'

DATE: 09-22-11

DRAWN BY: J.I.

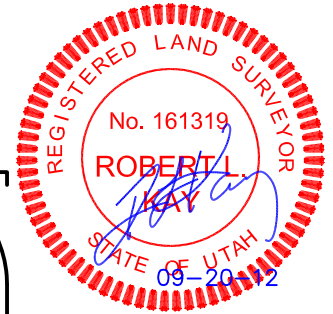
REV.: 12-14-11

REV.: 08-16-12 B.D.H.

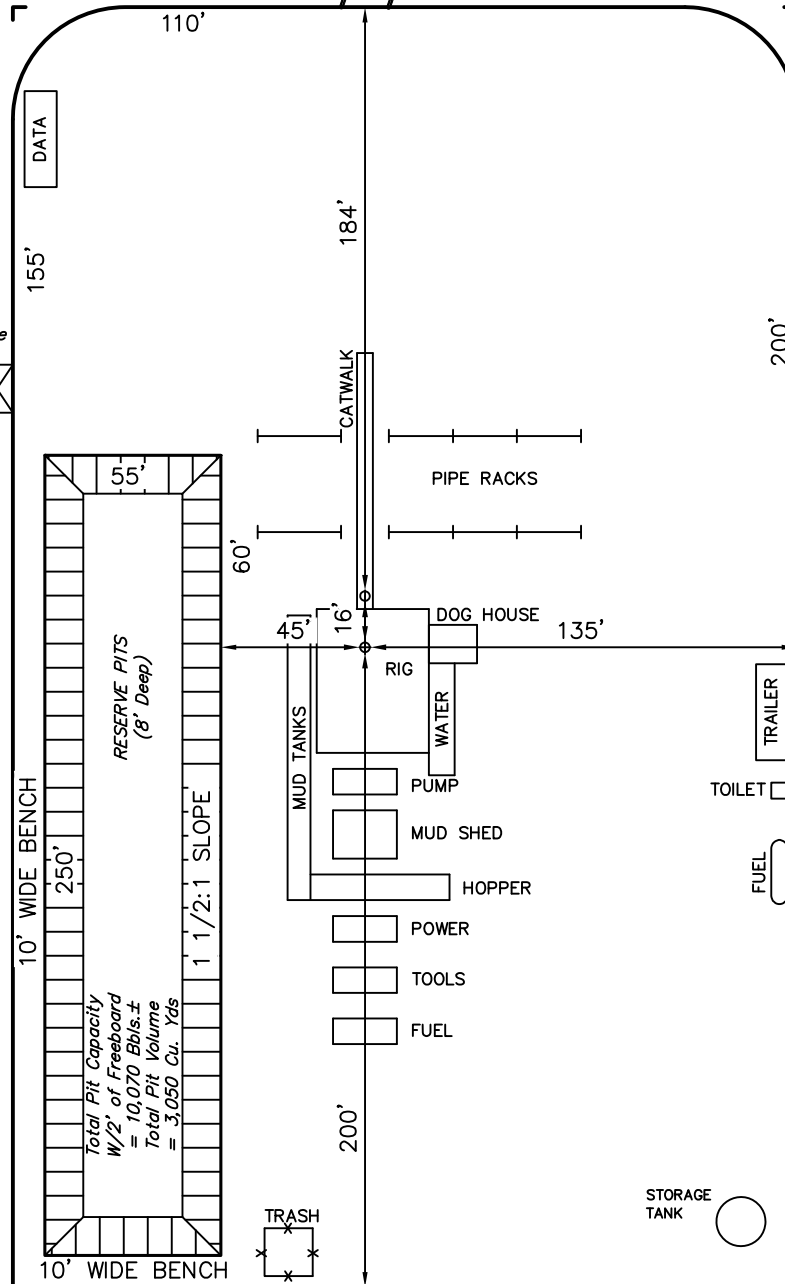
REV.: 09-19-12 C.A.G.



Proposed
Access Road



NOTE:
Flare Pit is to be
located a min. of 100'
from the Well Head.

**UINTAH ENGINEERING & LAND SURVEYING**

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: April 04, 2013

BILL BARRETT CORPORATION

PRODUCTION FACILITY LAYOUT FOR
 LC FEE #16-24D-47 & LC FEE #15-24D-47
 SECTION 24, T4S, R7W, U.S.B.&M.
 SW 1/4 SE 1/4

FIGURE #4

SCALE: 1" = 60'

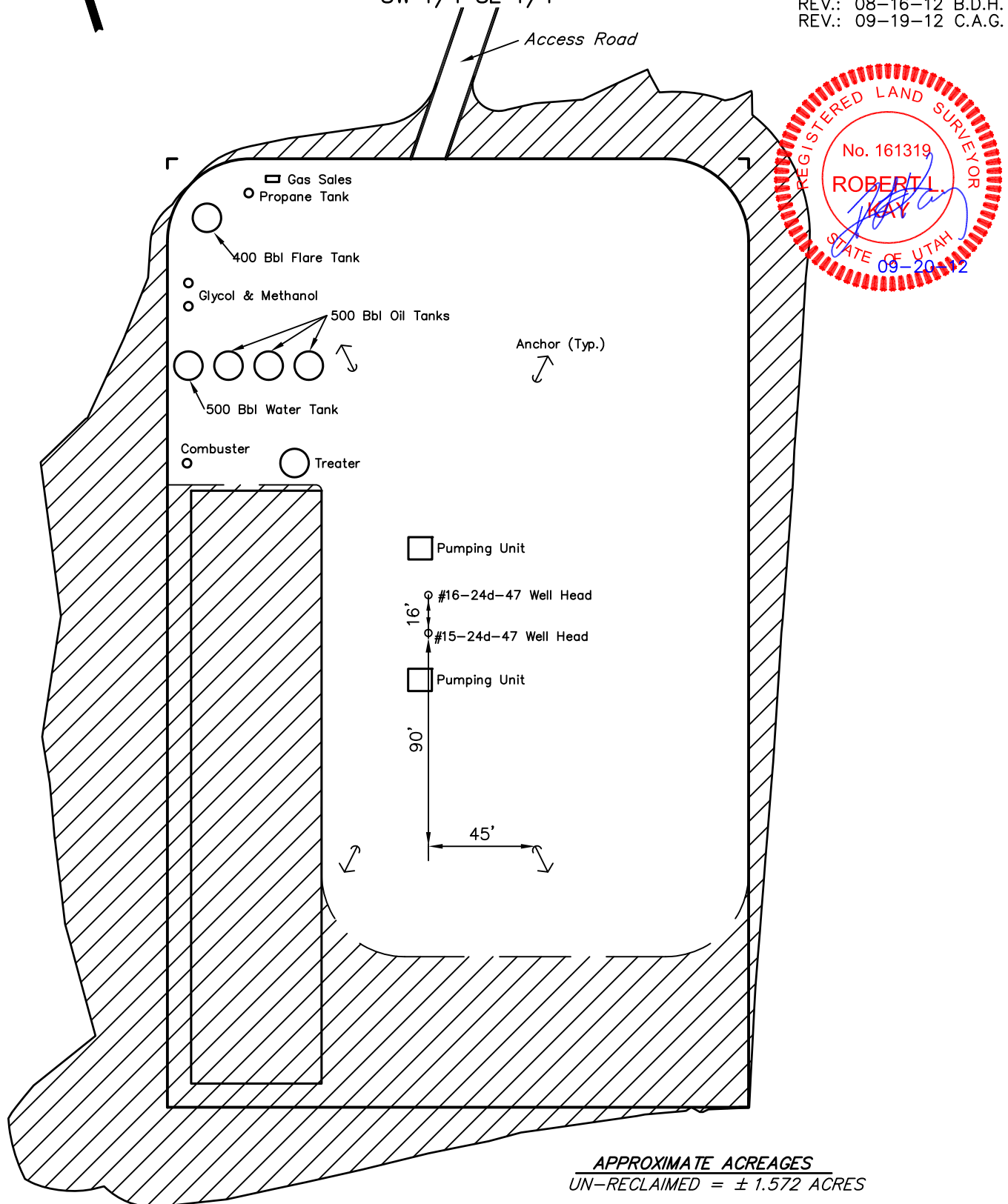
DATE: 09-22-11

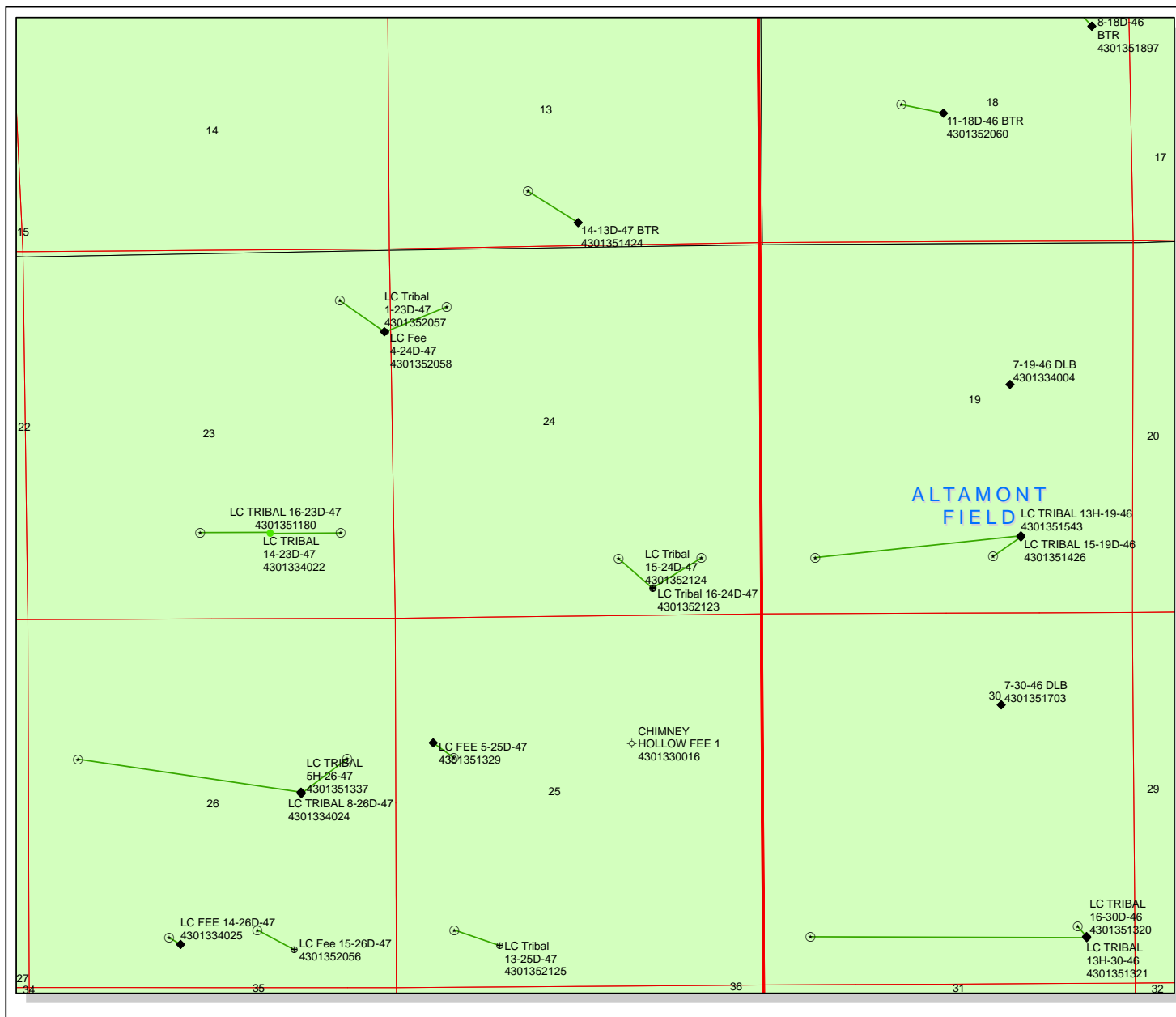
DRAWN BY: J.I.

REV.: 12-14-11

REV.: 08-16-12 B.D.H.

REV.: 09-19-12 C.A.G.



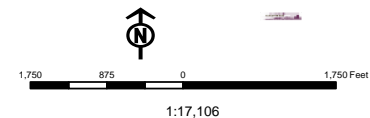


API Number: 4301352123
Well Name: LC Tribal 16-24D-47
Township T04.0S Range R07.0W Section 24
Meridian: UBM
Operator: BILL BARRETT CORP

Map Prepared:
 Map Produced by Diana Mason

Units	
STATUS	
ACTIVE	
EXPLORATORY	
GAS STORAGE	
NF PP OIL	
NF SECONDARY	
PI OIL	
PP GAS	
PP GEOTHERMAL	
PP OIL	
SECONDARY	
TERMINATED	

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



BOPE REVIEW BILL BARRETT CORP LC Tribal 16-24D-47 43013521230000

Well Name	BILL BARRETT CORP LC Tribal 16-24D-47 43013521230000			
String	Cond	Surf	Prod	
Casing Size(")	16.000	9.625	9.625	
Setting Depth (TVD)	80	800	6333	
Previous Shoe Setting Depth (TVD)	0	80	800	
Max Mud Weight (ppg)	8.8	8.8	9.6	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	3161		9.6	

Calculations	Cond String	16.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	37		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	27	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	19	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	19	NO	
Required Casing/BOPE Test Pressure=		80	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

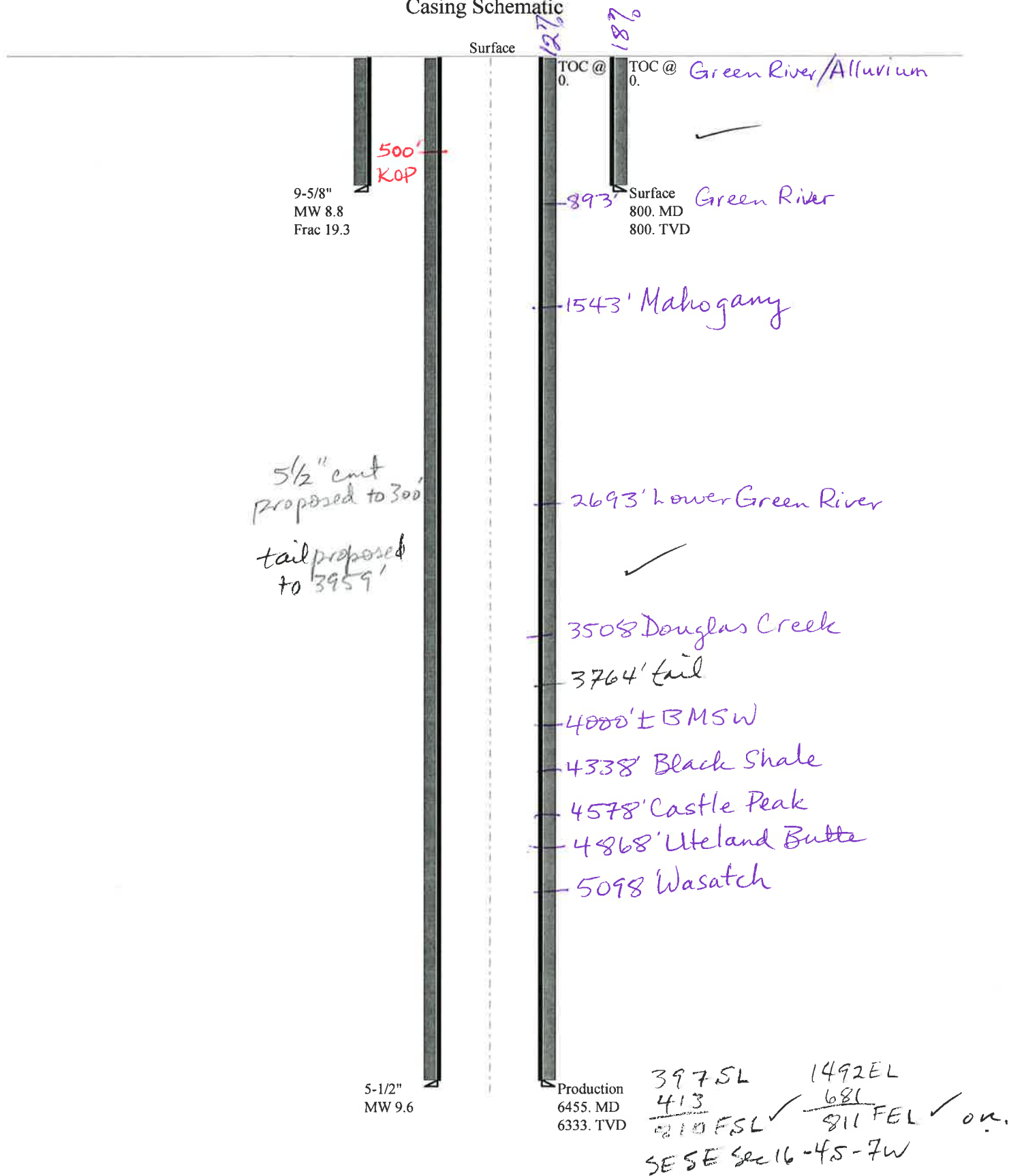
Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	366		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	270	YES	diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	190	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	208	NO	OK
Required Casing/BOPE Test Pressure=		800	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient	

Calculations	Prod String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	3161		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2401	YES	11
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1768	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1944	NO	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		800	psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

43013521230000 LC Tribal 16-24D-47

Casing Schematic



Well name:	43013521230000 LC Tribal 16-24D-47	
Operator:	BILL BARRETT CORP	Project ID:
String type:	Surface	43-013-52123
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 85 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 704 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 800 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 696 ft

Directional well information:

Kick-off point 500 ft
Departure at shoe: 12 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 4.5 °

Re subsequent strings:

Next setting depth: 6,333 ft
Next mud weight: 9.600 ppg
Next setting BHP: 3,158 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 800 ft
Injection pressure: 800 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	800	9.625	36.00	J-55	ST&C	800	800	8.796	6953
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	366	1987	5.436	800	3520	4.40	25	394	15.74 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: June 18, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 800 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43013521230000 LC Tribal 16-24D-47	
Operator:	BILL BARRETT CORP	
String type:	Production	Project ID: 43-013-52123
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 9.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 163 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,765 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,158 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,533 ft

Directional well information:

Kick-off point 500 ft
Departure at shoe: 796 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6455	5.5	17.00	P-110	LT&C	6333	6455	4.767	42518

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3158	7480	2.368	3158	10640	3.37	107.7	445	4.13 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: June 17, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6333 ft, a mud weight of 9.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7839	43013521230000	LOCKED	OW	I	No
Operator	BILL BARRETT CORP		Surface Owner-APD		
Well Name	LC Tribal 16-24D-47		Unit		
Field	UNDESIGNATED		Type of Work	DRILL	
Location	SWSE 24 4S 7W U 397 FSL 1492 FEL GPS Coord (UTM) 532354E 4440291N				

Geologic Statement of Basis

Bill Barrett proposes to set 80 ' of conductor and 800' of surface casing at this location. Conductor and surface casing holes will be drilled with a fresh water mud system. The base of the moderately saline water is at approximately 4,000 feet in this area. This location lies on the Green River Formation. Good aquifers can be found in the Green River Formation and associated alluvium. A search of Division of Water Rights records indicates 3 water wells within a 10,000 foot radius of the center of Section 24. All wells are located over a mile from the proposed location. Depth is shown for only one well at 30 feet and the wells probably produce from alluvium associated with the Strawberry River. Listed uses are domestic, irrigation, fish culture and stock watering. Production casing cement should be brought up above the base of the moderately saline ground water to isolate it from fresher waters uphole.

Brad Hill
APD Evaluator

4/10/2013
Date / Time

Surface Statement of Basis

The surface rights at the proposed location are owned by the Ute Tribe. The operator is responsible for obtaining all required surface permits and rights-of -way.

Brad Hill
Onsite Evaluator

4/10/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
	None

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 4/4/2013

API NO. ASSIGNED: 43013521230000

WELL NAME: LC Tribal 16-24D-47

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8172

CONTACT: Venessa Langmacher

PROPOSED LOCATION: SWSE 24 040S 070W

Permit Tech Review: ☒

SURFACE: 0397 FSL 1492 FEL

Engineering Review: ☒

BOTTOM: 0810 FSL 0810 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.11231

LONGITUDE: -110.62035

UTM SURF EASTINGS: 532354.00

NORTHINGS: 4440291.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - LPM4138148☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 43-180☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: Cause 139-87

Effective Date: 12/6/2011

Siting: 4 Prod LGRRV-WSTC Wells

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason
4 - Federal Approval - dmason
5 - Statement of Basis - bhil
10 - Cement Ground Water - hmacdonald
15 - Directional - dmason
25 - Surface Casing - hmacdonald

RECEIVED: October 28, 2013



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: LC Tribal 16-24D-47

API Well Number: 43013521230000

Lease Number: Fee

Surface Owner: INDIAN

Approval Date: 10/28/2013

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-87. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

The 5 ½” casing string TAIL cement shall be brought back to ±3800’ to isolate base of moderately saline ground water.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC Tribal 16-24D-47
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0397 FSL 1492 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 24 Township: 04.0S Range: 07.0W Meridian: U		9. API NUMBER: 43013521230000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT
COUNTY: DUCHESNE		STATE: UTAH


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/28/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 BBC is submitting this sundry to request a one year extension for APD.

Approved by the
 September 15, 2014
 Oil, Gas and Mining

Date: _____

By: 

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 9/11/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013521230000

API: 43013521230000

Well Name: LC Tribal 16-24D-47

Location: 0397 FSL 1492 FEL QTR SWSE SEC 24 TWNP 040S RNG 070W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 10/28/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Christina Hirtler

Date: 9/11/2014

Title: Administrative Assistant Representing: BILL BARRETT CORP

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: LC FEE 16-24D-47
2. NAME OF OPERATOR: BILL BARRETT CORP		9. API NUMBER: 43013521230000
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0397 FSL 1492 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 24 Township: 04.0S Range: 07.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/20/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is being submitted to request that the name of the above well be changed from LC Tribal 16-24D-47 to LC Fee 16-24D-47.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 20, 2015

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 8/20/2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
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3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC FEE 16-24D-47
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0397 FSL 1492 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 24 Township: 04.0S Range: 07.0W Meridian: U		9. API NUMBER: 43013521230000
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COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/28/2016	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 BBC is submitting this sundry to request a one year extension for APD through 10/28/2016

Approved by the
 September 02, 2015
 Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 9/1/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013521230000

API: 43013521230000

Well Name: LC FEE 16-24D-47

Location: 0397 FSL 1492 FEL QTR SWSE SEC 24 TWP 040S RNG 070W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 10/28/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Brady Riley

Date: 9/1/2015

Title: Permit Analyst Representing: BILL BARRETT CORP



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 6, 2016

Brady Riley
Bill Barrett
1099 18th Street, Suite 2300
Denver, CO 80202

Re: APDs Rescinded for Bill Barrett Corporation, Duchesne County

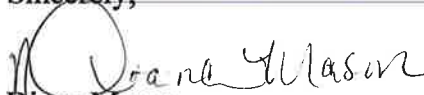
Dear Ms. Riley:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of October 4, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal



43-013-52123 LC Fee 16-24D-47
43-013-52124 LC Fee 15-24D-47
43-013-52125 LC Fee 13-25D-47
43-013-52130 LC Fee 14-25D-47